Author Index

Ahkong, Q.F., see Tilcock, C. (1110) 193

Alekseev, S.I.
Interaction of sulfhydryl reagents with A-type channels of *Lymnaea* neurons (1110) 178

Aran, J.M. and Plagemann, P.G.W.
Nucleoside transport-deficient mutants of PK-15 pig kidney cell line (1110) 51

Bakos, P., see Granitzer, M. (1110) 239

Banerjee, P., Dawson, G. and Dasgupta, A.
Enrichment of saturated fatty acid containing phospholipids in sheep brain serotonin receptor preparations: use of microwave irradiation for rapid transesterification of phospholipids (1110) 65

Béliveau, R., see Dallaire, L. (1110) 59

Betakis, E., Fritzsch, G. and Zaki, L.
Inhibition of anion transport in the human red blood cell membrane with *para*- and *meta*-methoxyphenylglyoxal (1110) 75

Blas, S.D., see Deziel, M.R. (1110) 119

Blumenthal, R., see Krumbiegel, M. (1110) 158

Bogdanov, Jr., A.A., see Glushakova, S.E. (1110) 202

Böttger, M., see Döring, O. (1110) 235

Brown III, R.D., see Tilcock, C. (1110) 193

Chiou, J.-S., Krishna, P.R., Kamaya, H. and Ueda, I.
Alcohols dehydrate lipid membranes: an infrared study on hydrogen bonding (1110) 225

Crabbé, J., see Granitzer, M. (1110) 239

Dallaire, L., Giroux, S. and Béliveau, R.
Regulation of phosphate transport by second messengers in capillaries of the blood-brain barrier (1110) 59

Dasgupta, A., see Banerjee, P. (1110) 65

Davis, F.B., see Deziel, M.R. (1110) 119

Davis, P.J., see Deziel, M.R. (1110) 119

Dawson, G., see Banerjee, P. (1110) 65

De Kruijff, B., see Keukens, E.A.J. (1110) 127

Demel, R.A., see Keukens, E.A.J. (1110) 127

Dernedde, S., see Fuhrmann, G.F. (1110) 105

De Vrije, T., see Keukens, E.A.J. (1110) 127

Deziel, M.R., Safeer, R.S., Blas, S.D., Davis, F.B. and Davis, P.J.
Hexose-specific inhibition in vitro of human red cell Ca^{2+}-ATPase activity (1110) 119

Dimitrov, D.S., see Krumbiegel, M. (1110) 158

Doi, K., see Yamauchi, K. (1110) 171

Döring, O., Lüthje, S. and Böttger, M.
Inhibitors of the plasma membrane redox system of *Zea mays* L. roots. The vitamin K antagonists dicumarol and warfarin (1110) 235

Engberts, J.B.F.N., see Fonteijn, T.A.A. (1110) 185

Esmann, M.
Determination of rate constants for nucleotide dissociation from Na,K-ATPase (1110) 20

Fabrie, C.H.J.P., see Keukens, E.A.J. (1110) 127

Fisher, D., see Tilcock, C. (1110) 193

Flügge, U.-I.
Reaction mechanism and asymmetric orientation of the reconstituted chloroplast phosphate translocator (1110) 112

Fonteijn, T.A.A., Engberts, J.B.F.N., Nir, S. and Hoekstra, D.
Asymmetric fusion between synthetic di-n-dodecylphosphate vesicles and virus membranes (1110) 185

Frenking, G., see Fuhrmann, G.F. (1110) 105

Fritzsch, G., see Betakis, E. (1110) 75

Fuhrmann, G.F., Dernedde, S. and Frenking, G.
Phloretin *keto-enol* tautomerism and inhibition of glucose transport in human erythrocytes (including effects of phloretin on anion transport) (1110) 105

Fukuda, H., see Yamauchi, K. (1110) 171

Ghosh, P. and Singh, U.N.
Liposome shrinkage and swelling under osmotic-diffusional stress: evaluation of kinetic parameters from spectrophotometric measurements (1110) 88

Ghosh, P.C., see Madan, S. (1110) 37

Giroux, S., see Dallaire, L. (1110) 59

Glushakova, S.E., Omelyanenko, V.G., Lukashevitch, I.S., Bogdanov, Jr., A.A., Moshnikova, A.B., Kozytch, A.T. and Torchilin, V.P.
The fusion of artificial lipid membranes induced by the synthetic arenavirus 'fusion peptide' (1110) 202

Granitzer, M., Bakos, P., Nagel, W. and Crabbé, J.
Osmotic swelling and membrane conductances in A6 cells (1110) 239

Haagsman, H.P., see Oosterlaken-Dijksterhuis, M.A. (1110) 45

Hatta, I., see Takahashi, H. (1110) 29

Hemminga, M.A., see Sanders, J.C. (1110) 218

Henderson, G.B.
Separation and inhibitor specificity of a second unidirectional efflux route for methotrexate in L1210 cells (1110) 137

Hoekstra, D., see Fonteijn, T.A.A. (1110) 185

Hoffmann, E.K., see Jessen, F. (1110) 199

Jensen, J.
Heterogeneity of pig kidney Na,K-ATPase as indicated by ADP- and ouabain-binding stoichiometry (1110) 81

Jessen, F. and Hoffmann, E.K.
Activation of the $Na^+/K^+/Cl^-$ cotransport system by reorganization of the actin filaments in Ehrlich ascites tumor cells (1110) 199

Jongen, W.M.F., see Keukens, E.A.J. (1110) 127

Kabalka, G., see Tilcock, C. (1110) 193

Kamaya, H., see Chiou, J.-S. (1110) 225

Kamo, N., see Miyauchi, S. (1110) 144

Kato, S., see Takahashi, H. (1110) 29

Keukens, E.A.J., De Vrije, T., Fabrie, C.H.J.P., Demel, R.A., Jongen, W.M.F. and De Kruijff, B.
Dual specificity of sterol-mediated glycoalkaloid induced membrane disruption (1110) 127

Kii, F., see Yamauchi, K. (1110) 171

Kinoshita, M., see Yamauchi, K. (1110) 171
Kleinzeller, A., see Miller, J.H. (1110) 209
Koenig, S.H., see Tilcock, C. (1110) 193
Komatsubara, M., see Miyauchi, S. (1110) 144
Kozytch, A.T., see Glushakova, S.E. (1110) 202
Krishna, P.R., see Chiou, J.-S. (1110) 225
Krumbiegel, M., Dimitrov, D.S., Puri, A. and Blumenthal, R.
Dextran sulfate inhibits fusion of influenza virus and cells expressing influenza hemagglutinin with red blood cells (1110) 158
Krupka, R.M.
Kinetics of transport systems dependent on periplasmic binding proteins (1110) 1
Krupka, R.M.
Testing models for transport systems dependent on periplasmic binding proteins (1110) 11

Langhals, H., see Schott, H. (1110) 151
Lukashevitch, I.S., see Glushakova, S.E. (1110) 202
Lüthje, S., see Döring, O. (1110) 235

Madan, S. and Ghosh, P.C.
Monensin intercalation in liposomes: effect on cytotoxicities of ricin, *Pseudomonas* exotoxin A and diphtheria toxin in CHO cells (1110) 37
Maffia, M., see Verri, T. (1110) 123
Matuoka, S., see Takahashi, H. (1110) 29
McAvoy, E., see Miller, J.H. (1110) 209
Miller, J.H., Mullin, J.M., McAvoy, E. and Kleinzeller, A.
Polarity of transport of 2-deoxy-D-glucose and D-glucose by cultured renal epithelia (LLC-PK_1) (1110) 209
Miyauchi, S., Komatsubara, M. and Kamo, N.
In archaebacteria, there is a doxorubicin efflux pump similar to mammalian P-glycoprotein (1110) 144
Moshnikova, A.B., see Glushakova, S.E. (1110) 202
Mullin, J.M., see Miller, J.H. (1110) 209

Nagel, W., see Granitzer, M. (1110) 239
Nir, S., see Fonteijn, T.A.A. (1110) 185

Ohki, K., see Takahashi, H. (1110) 29
Omelyanenko, V.G., see Glushakova, S.E. (1110) 202
Oosterlaken-Dijksterhuis, M.A., Van Eijk, M., Van Golde, L.M.G. and Haagsman, H.P.
Lipid mixing is mediated by the hydrophobic surfactant protein SP-B but not by SP-C (1110) 45

Plagemann, P.G.W., see Aran, J.M. (1110) 51
Poile, T.W., see Sanders, J.C. (1110) 218
Popescu, T., see Schwarz, G. (1110) 97
Puri, A., see Krumbiegel, M. (1110) 158

Safeer, R.S., see Deziel, M.R. (1110) 119
Sanders, J.C., Poile, T.W., Wolfs, C.J.A.M. and Hemminga, M.A.
Formation of non-bilayer structures induced by M13 coat protein depends on the conformation of the protein (1110) 218
Schott, H., Von Cunow, D. and Langhals, H.
Labelling of liposomes with intercalating perylene fluorescent dyes (1110) 151
Schwarz, G., Zong, R.-t. and Popescu, T.
Kinetics of melittin induced pore formation in the membrane of lipid vesicles (1110) 97
Singh, U.N., see Ghosh, P. (1110) 88
Storelli, C., see Verri, T. (1110) 123

Takahashi, H., Matuoka, S., Kato, S., Ohki, K. and Hatta, I.
Effects of poly(L-lysine) on the structural and thermotropic properties of dipalmitoylphosphatidylglycerol bilayers (1110) 29
Tilcock, C., Ahkong, Q.F., Koenig, S.H., Brown III, R.D., Kabalka, G. and Fisher, D.
Nuclear magnetic relaxation dispersion and ^{31}P-NMR studies of the effect of covalent modification of membrane surfaces with poly(ethylene glycol) (1110) 193
Torchilin, V.P., see Glushakova, S.E. (1110) 202
Törnquist, K.
Characterization of the TRH-induced activation of Na^+/H^+-exchange in pituitary GH_4C_1 cells (1110) 165

Ueda, I., see Chiou, J.-S. (1110) 225

Van Eijk, M., see Oosterlaken-Dijksterhuis, M.A. (1110) 45
Van Golde, L.M.G., see Oosterlaken-Dijksterhuis, M.A. (1110) 45
Verri, T., Maffia, M. and Storelli, C.
H^+/glycyl-glycine cotransport in eel intestinal brush-border membrane vesicles: studies with the pH-sensitive dye Acridine orange (1110) 123
Von Cunow, D., see Schott, H. (1110) 151

Wolfs, C.J.A.M., see Sanders, J.C. (1110) 218

Yamauchi, K., Doi, K., Kinoshita, M., Kii, F. and Fukuda, H.
Archaebacterial lipid models: highly salt-tolerant membranes from 1,2-diphytanylglycero-3-phosphocholine (1110) 171

Zaki, L., see Betakis, E. (1110) 75
Zong, R.-t., see Schwarz, G. (1110) 97